

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) An optical measurement apparatus, comprising:
a light source and guiding module having a light source module and a light-guiding apparatus, said light source module providing a spontaneous emission light, said light-guiding apparatus reflecting said spontaneous emission light to a ~~continuous~~-linear incident light, and said ~~continuous~~-linear incident light irradiating a detection area; and
a receiving module for imaging and processing said ~~continuous~~-linear incident light passed through or reflected by said detection area~~area~~;
wherein said light-guiding apparatus has first open end for receiving the spontaneous emission light and has a second open end for outputting the linear incident light, said first opening end being larger than said second open end.
2. (Previously Presented) The optical measurement apparatus according to claim 1, wherein said light-guiding apparatus is configured between said light source module and said detection area.
3. (Previously Presented) The optical measurement apparatus according to claim 1, wherein said light source module is selected from the group consisting of a LED light array and an OLED light array.
4. (Previously Presented) The optical measurement apparatus according to claim 1, wherein the geometric type of the light-guiding apparatus is selected from the group consisting of an arc-line-type wedge-shaped light-guiding apparatus and a straight-line-type wedge-shaped light-guiding apparatus.
5. (Previously Presented) The optical measurement apparatus according to claim 28, wherein the filled material inside said light-guiding apparatus is selected from the group consisting of glass, acrylics, and polycarbonate.

6. (Previously Presented) The optical measurement apparatus according to claim 28, wherein the exterior enclosure of said light-guiding apparatus is a combination of a plurality of reflection elements, said spontaneous emission light is reflected and transmitted by said reflection elements, and said plurality of reflection elements comprise a plurality of stainless steel sheets.

7. (Cancelled)

8. (Previously Presented) The optical measurement apparatus according to claim 1, wherein said optical measurement apparatus comprises an excitation filter, configured between said light source module and said detection area.

9. (Previously Presented) The optical measurement apparatus according to claim 1, wherein said optical measurement apparatus comprises a light-mending lens, configured between said light source module and said detection area, and the material of said light-mending lens is chosen from the group consisting of glass, acrylics, and polycarbonate.

10. (Original) The optical measurement apparatus according to claim 1, wherein said receiving module comprises an image module and an image-sensing module, and said image module is configured between said detection area and said image-sensing module.

11. (Original) The optical measurement apparatus according to claim 10, wherein said image module comprises a focusing lens.

12. (Original) The optical measurement apparatus according to claim 11, wherein said image module comprises a micro diffraction grating configured between said detection area and said focusing lens, and the image module comprises a projection lens between said focusing lens and said image-sensing module.

13. (Original) The optical measurement apparatus according to claim 10, wherein said image-sensing module comprises a filter lens and a dichroic mirror.

14. (Original) The optical measurement apparatus according to claim 10, wherein said image-sensing module comprises a sensor, and said sensor is selected from the group consisting of an area sensor and a linear sensor.

15. (Original) The optical measurement apparatus according to claim 1, further comprising a platform for supporting and transporting a test sample to move in one-dimension direction.

16. (Currently Amended) An optical measurement apparatus, comprising:
a light source module for providing a spontaneous emission light;
a light-guiding apparatus for reflecting said spontaneous emission light to a ~~continuous~~ linear incident light, and said ~~continuous~~-linear incident light irradiating a detection area;
an image module for imaging said ~~continuous~~-linear incident light passed through or reflected by said detection area; and
an image-sensing module for receiving and processing said ~~continuous~~-linear incident light imaged by said image ~~module~~module;
wherein said light-guiding apparatus has a first open end for receiving spontaneous emission light, and has a second open end for outputting the linear incident light, said first open end being larger than second open end.

17. (Previously Presented) The optical measurement apparatus according to claim 16, further comprising a platform for supporting and transporting a test sample to move in one-dimension direction, and said test sample is placed on said detection area.

18. (Original) The optical measurement apparatus according to claim 16, wherein said light source module is selected from the group consisting of a LED light array and an OLED light array.

19. (Original) The optical measurement apparatus according to claim 16, wherein said optical measurement apparatus comprises an excitation filter for filtering said spontaneous emission light.

20. (Original) The optical measurement apparatus according to claim 16, wherein said optical measurement apparatus comprises a light-mending lens, configured between said light source module and said detection area, and the material of said light mending-lens is chosen from the group consisting of glass, acrylics, and polycarbonate.

21. (Original) The optical measurement apparatus according to claim 16, wherein the geometric type of the light-guiding apparatus is selected from the group consisting of an arc-line-type wedge-shaped light-guiding apparatus and a straight-line-type wedge-shaped light-guiding apparatus.

22. (Previously Presented) The optical measurement apparatus according to claim 29, wherein the filled material inside said light-guiding apparatus is selected from the group consisting of glass, acrylics, and polycarbonate.

23. (Previously Presented) The optical measurement apparatus according to claim 29, wherein the exterior enclosure of the light-guiding apparatus is a combination of a plurality of reflection elements, said spontaneous emission light is reflected and transmitted by said reflection elements, and said plurality of reflection elements comprise a plurality of stainless steel sheets.

24. (Cancelled)

25. (Original) The optical measurement apparatus according to claim 16, wherein said image module comprises a focusing lens.

26. (Original) The optical measurement apparatus according to claim 16, wherein said image-sensing module comprises a filter lens and a dichroic mirror.

27. (Original) The optical measurement apparatus according to claim 16, wherein said image-sensing module comprises a sensor, and said sensor is selected from the group consisting of an area sensor module and a linear sensor module.

28. (Currently Amended) The optical measurement apparatus according to claim 1, wherein said light-guiding apparatus comprises:

an exterior enclosure with ~~an open end for receiving the spontaneous emission light, and another open end for outputting the continuous linear incident light, the first open end and the second open end,~~ an inner surface of said exterior enclosure being capable of reflect the spontaneous emission light; and

material filled in said exterior enclosure such that the spontaneous emission light is guidingly reflected and transmitted within said exterior enclosure.

29. (Currently Amended) The optical measurement apparatus according to claim 16, wherein said light-guiding apparatus comprises:

an exterior enclosure with the first open end and the second open end, ~~an open end for receiving the spontaneous emission light, and another open end for outputting the continuous linear incident light,~~ an inner surface of said exterior enclosure being capable of reflect the spontaneous emission light; and

material filled in said exterior enclosure such that the spontaneous emission light is guidingly reflected and transmitted within said exterior enclosure.

30. (New) The optical measurement apparatus according to claim 1, wherein said light-guiding apparatus is wedge-shaped.

31. (New) The optical measurement apparatus according to claim 16, wherein said light-guiding apparatus is wedge-shaped.

32. (New) The optical measurement apparatus according to claim 1, wherein said linear incident light out of said light-guiding apparatus is continuous.

33. (New) The optical measurement apparatus according to claim 16, wherein said linear incident light out of said light-guiding apparatus is continuous.